

Rec'd. Aug. 16th 1839.

Lund, Sweden, Oct. 8. 1839.

J. A. Gard

Dear Sir!



It is some months ago I had the pleasure to receive a parcel, accompanied by an obliging letter of Jul. 6 1838 sent to my Father, intended to be a introduction for Mr. Thompson, who having, as I suppose, got some reason <sup>to alter</sup> the plan of his Journey, did not pay the intended visit to Lund. As heir of the Botanical obligations of my Father, who in his new place has little time to bestow on his favourite study, I beg now to address you, and return his most sincere compliment and thanks for the sent book. I should be happy if you would be willing to continue a correspondence which should be for me as useful as agreeable - I don't know if you are furnished with plants from our country; if not I shall be happy to send you any you should wish for. Returned since a year from a long Journey in the South of Europe I am also well provided with plants from the South of France, the Provençal, Switzerland &c. You have only to tell me if you wish for any from those countries, and I shall with the first opportunity despatch a complete set of my duplicates, or Specimens of rariora, according to your wishy in that

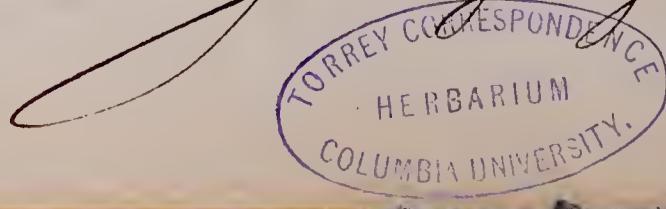
way.

I have the pleasure to send you adjoint a copy of *Aphoris* mi, which being the only one I now possess, Gregrett is a ugly one. I send you also some of my own little publications. As my father the last year has not been occupied with botany, I suppose you have already got the works he has published in that way. The list is his in Swedish written *Organographie und Biologie* of plants, which if you have not got them, I shall send you with the next occasion.

I suppose that since your last communications with my father you have much increased your stock of duplicates; in such a case I should be happy to share in the spoils. Especially I should be very thankful for plants from the rocky mountains and northwest coast <sup>of America</sup> and also from the interior of your continent. Any communication will reach me if addressed to Gothenburg, care of O'Neil Esqr., who has direct commercial communications with New York.

Believe me to be, with kind complimentary from my father

faithfully yours  
James G. Agard.



P. S. Of the Annals of the Museum of Nat. History we want the nos 1-811  
of Vol. III. Perhaps you would have the kindness to lend us the same occa-  
sionally -



Dr John Jory Syre

New York  
Museum of Natural History

*Pappus biseptiatus*; <sup>septi</sup> *ent. coriaceum* de spha:  
rio 5-8 membranaceis brevis; *int.* 2 setis  
paucis (5-<sup>24</sup> 8) scabris.

1. *V. Virginica*; glauca, foliis <sup>primariis</sup> ~~oppositis~~ ro:  
bundatis <sup>ab initio</sup> ~~est~~ reliquis lyrate glabris  
scapo <sup>unifloro</sup> glabro stemma foliis cor:  
giis, calyx glabro. Natt. - Willd. *Sp.*  
*Pl. f.* 1618. Pursh. *Fl. Am.* v. 2. p. 534. Gris:  
yellow *Fl. Mosh.* ed. 2. p. 289. - *Hyoscyamus*  
*virginicus*. Linna. *Sp. Pl. h.* 1138. Mich.  
*Am.* v. 2. p. 88.

*Heb. Camader. Michaux. Pursh.*

trib. II. Cynareae. <sup>\*</sup> Leffing.  
Subtrib. I. Centaureae. Leff.

14. Centaurea. Lin.

Involucrum imbricatum. Receptaculum <sup>radicibus</sup>  
setosum. Pappus simplex <sup>an</sup> multus. Cor. floris  
mentis; si adest, 5-partita.

1. *C. nigra*; involucri squamis ovatis pectinato-  
fimbriatis petiatis, foliis radicalibus rugos,  
costo-lyrate, caulinis oblongis, radio nullo.  
Linna. *Sp. Pl. h.* <sup>1288</sup> *Engl. Pl. h.* 1. 273.

Newfoundland. Miss Brewster. - Extinct.

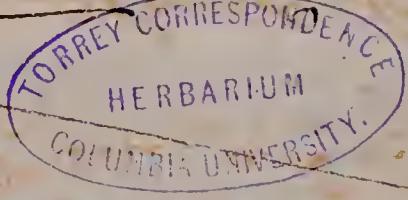
\* While this portion of the Composite is in the  
press I have the great satisfaction of receiving the  
valuable Synopsis Generum Compositarum ex:  
cumque Dispositionis nova tentamen ac " <sup>as far as possible</sup> C.  
F. Leffing; & have no hesitation in adopting <sup>as far as possible</sup> the  
arrangement of so able an observer & one who has so  
& ~~delicately~~ <sup>studied</sup> this difficult tribe of plants, and  
with the greatest ardour & under very favourable <sup>not</sup> ~~not~~  
circumstances. I have only to regret that I could not derive  
the advantage such a writer capable of affording for  
the whole of the order.

10/ Subtrib. II. Carduinae. Lef.

Spec. 15. Arctium. Lin.

Involutum globosum. foliolis squamosis  
lanceatis. Receptaculum paleaceum. Capi-  
tus simplex, multiseriatus brevis, petioles simi-  
gulis velde cedentes. — Herba dichotoma  
foliis petiolatis ovatis subtus pallidioribus.

1. A. Lappa. Lin. Sp. Pl. v. 1149. Engl. Bot. t. 38  
Canada. M. P. Perrin. M. L. Chapman. Dr. Todd.



cat. 2478. A. Baudouin

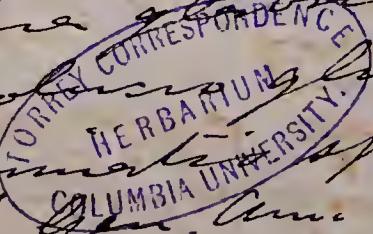
16. Carduus. Lin (Lappa et Cirsium  
Willd. et Cirsium Linn.).

Involutum trinodium inibracteatum, squamu-  
spinosum. Receptaculum setosum. Capi-  
tus plumosus vel scaber. — Herba per totum eum  
temperatum divulgata nec non regiones aequinoctiales Americae tropicale-  
m. habitantes, et in Europa, capitulis lateris vel plurimis, rufis, rufescens; rachide  
A. Lappa Lin. Sp. Pl. v. 1149. Engl. Bot. t.  
paleaceo-fimbriifera. (Lef.) Cirsium Willd. (non Gaertn.)  
Hab. t. 17. (Pappus plumosus. Cirsium, Willd.  
Cirsium, Willd. (non Gaertn.)

1. C. lanceolatus; foliis decurrentibus ciliatis  
et pinnatifidis, lacinias bifidis divaricantes  
spinosis, involucri squamis lanceolatis pa-  
tentibus. Lin. Sp. Pl. v. 1149. Engl. Bot. t. 107.  
Cirsus lanceolatus. D. C. Gray, Pl. Am. v. 2. p. 586. Engl. Pl. Med.  
ed. 2. p. 292.

Hab. Newfoundland Miss Weston.

2. C. discolor; pubescenti-lanceata, foliis sepsi-  
libus lanceolatis subflavis magis minime sinuato-pin-  
natifidis spicato-ciliatis foliis acutis spinosis  
sapissime bilobis supra glabris subtilis  
albo-tomentosis, involucra globose lanceata,  
squamis lineari-acuminatis spinosis spinis  
posticatis. — Nutt. Pl. Am. v. 2. p. 130. Ciri-  
cis discolor. Willd. C. - Willd. Sp. Pl. v. p. 1670.  
- 3. floribus albis.



*C. furcata*, podetis elongatis levibus lividis subspadiceis  
dichotomis, axillis imperforatis, ramis ascicularibus con-  
vatis, apicibus furcatis divergentibus, testiculis ap-  
thecis fusis. Ash. Sy. Bot. p. 276. ~~Redd.~~ <sup>Alt.</sup> Gill. <sup>Prise</sup>  
b. 16. f. 27.

Hab. In apertos asperis pista Perote, alt. 1207 hexapod.  
(Regnum Mexicanum).

*C. rugifera*, podetis elongatis cylindricis erectis scabri-  
resculis cincrascentibus ramatis, axillis subinde perfo-  
ratis, ramis operatis renulosis, renulis ultimo sub-  
radicatis; apicibus multitudinis testiculis ~~apothecis~~  
subglobois aggregatis furcatis. Ash. <sup>HERBARIUM</sup> <sup>U. C. C.</sup> <sup>COLUMBIA</sup> <sup>U. S.</sup> <sup>C.</sup> <sup>277. E.</sup>  
b. 173.

Hab. In umbrosis cornallis del Cuchuana ~~fructuosa~~ Cuna-  
neorum (Nova Andalucia).

Non differt a planta europea; podetia grossiore, brim-  
cilia remorosa impelta, ramulis furcatis divaricatis  
neglectis. Hec non e Linnaeo Stein recipit.

*C. vermicularis*, podetis subuliformibus sublongi-  
ciliis levibus sublissimis subfistulosis flaccidis  
prosternitis. Ash. Sy. Bot. p. 278. L. b. 2029.

Hab. In Blamie prope Speluncam Antisana, alt 2490  
hexapod. Cladonia <sup>(Hoffm.)</sup> lata amara ad Stomachum conso-  
bonandum adhibetur sub nomine Contrayerba  
b. Camara. (Hab. Ash.)

Boomyces, Ash. p. 279.

*B. fringoides*, crusta uniformi inqualibili granulata con-  
vexa, podetis elongatis hasti imperfatis, apothecis  
hemisphaericis difformibus albo incarnatis. Ash.  
Sy. Lith. p. 280. Fruct. Lich. Amer. b. 13. f. 1.

Hab. In monte Cofre de Perote, regione frigida, regni  
Mexicanij alt. 1980 hexapod.

*B. foliaceo-folacea* sp. sp., crusta squamata folacea, car-  
pophyses vibrante albo-glaucoscente, lobis digitata, la-  
ciniatis bifidisque apicibus subconverg. in podetis sub-  
cylindricis compressive, apothecis convexis supra-fusis  
denuo explanatis glauco-roseo.

This is truly an alpine plant. Wahlenberg observes justly that the portions of the stem above the earth appear perfectly simple, but that many of them really arise from a common root. Mr. Turner has well remarked what is the case with few species that the leaves do not change their direction by being more dry or by being moistened, & that their color, which is pale, & shining surface <sup>and</sup> is very striking.

B. carneum. Stem short; Leaves lanceolate, acute, serrulate at the points, reticulated, rather distant, nerve disappearing below the summit; capsule shortly pyriform, pendulous; lid conical.

Linn. Sp. Pl. Swartz. Turner Musc. Lib. p. 119. Engl. Bot. t. 360. Dryas

delicatulum. Hedw. St. Cr. v. 1. t. 30. Glypnium carneum. Mohr.

"B. pulchellum. Leaves approximated; capsule subglobose." Turner, Musc. Lib. p. 119. B. pulchellum. Hedw. St. Cr. v. 3. t. 30. B.

Stem rarely exceeding two or three lines in length. The leaves want the brighter green colors of its congeners. We have followed Mr. Turner in uniting to this species the B. pulchellum of Hedw. It is strange that Schwaegrichen should refer for his B. erythrocarpum to Mohr who says he cannot distinguish it from B. carneum, & if we can judge from Schwaegrichen's figure we believe <sup>EX CORRESPONDENCE</sup> Mohr to be <sup>EX CORRESPONDENCE</sup> the right, the figure differing principally by the <sup>EX CORRESPONDENCE</sup> larger size of the nerve of the leaf reaching to the points.

B. argenteum. Stem short, branched; Leaves broadly ovate, suddenly acuminate, very concave, entire; nerve disappearing below the point; capsule oblong-ovate, pendulous; lid conical.

Linn. Sp. Pl. Hedw. Sp. Musc. Swartz. Turner, Musc. Lib. p. 122. Engl. Bot. t. 1602. Wahlenb. Fl. Lapp. Glypnium argenteum. Mohr.

poris minuti subangulatis

Hab. In prope Loxa (Regnum Peruviam).

xxx Pileo integro stipite nullo.

B. reticulatus (n. sp.) resupinatus centro affinis orbiculari,  
pallidus fuscescens, pileo zonato pulcherrime reticu-  
latum venoso, poris magnitudinis exacte hexa-  
gonis ~~opac~~ substantia spongiosa fortis.

Hab. In jijis Andium, regione temperata inter  
Popayan et Almaguer.

Pulcherrima species, Fuscias lata, termis

xxxx Pileo dimidiato, stipite nullo.

B. & Dennis. (n. sp.) dimidiatus, pileo albo-fuscescente  
zonato levigato, poris fuscis magnitudinis exacte hexa-  
gonis.

Hab. In jijis Andium, regione temperata inter Po-  
grayan et Almaguer.

Substantia pororumque forma multam habet affini-  
tatem B. reticulata: sed pileo pallidiori levi ~~et~~ pileo dimidiato  
porisque vacuis.

B. fibrosus (n. sp.) dimidiatus nigro-fusca, pileo zonato  
subundulato fibris numerosis ramosis villoso, margini  
fimbriato, poris minuti angulati.

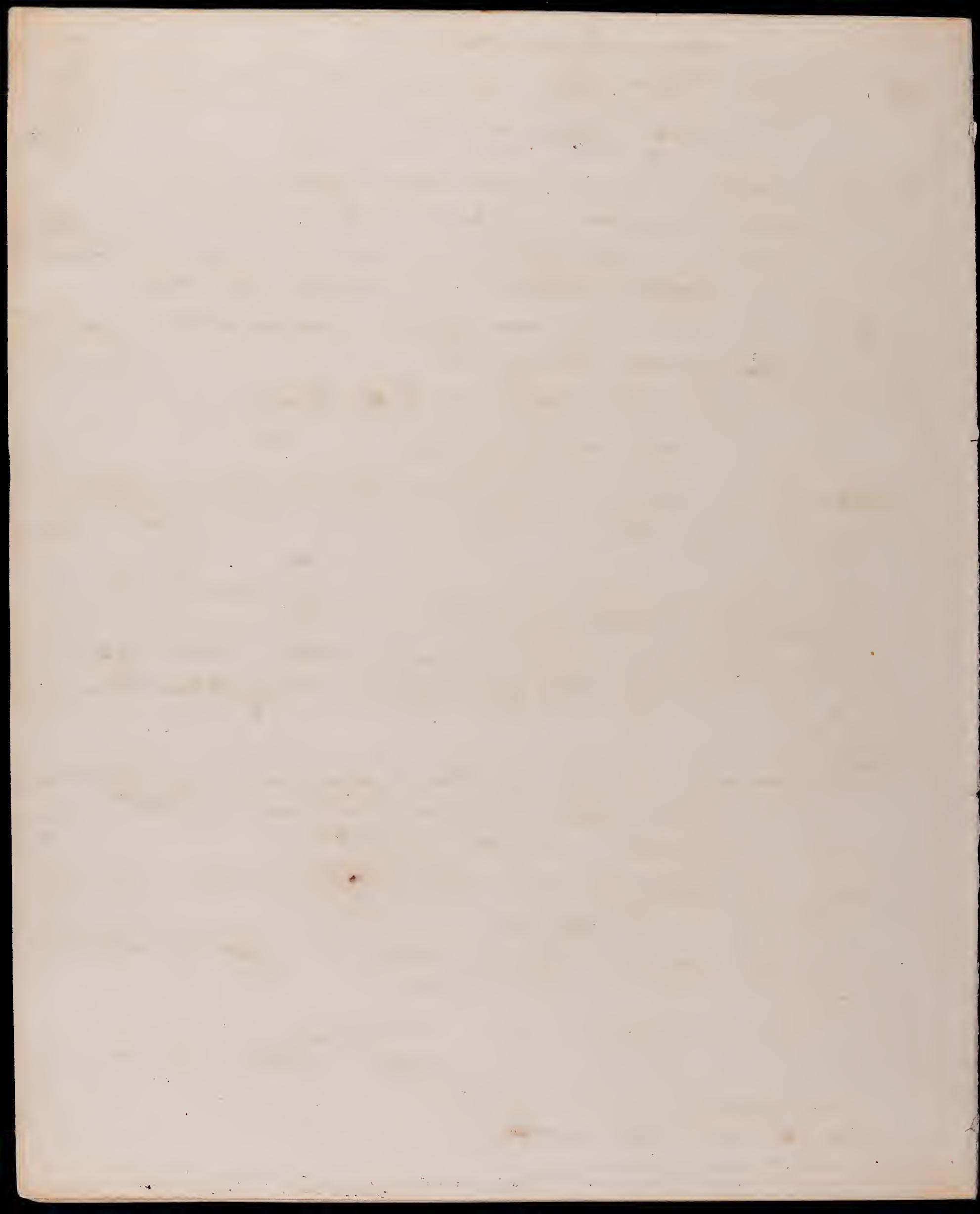
Hab. In jijis Andium, regione temperata inter Po-  
grayan et Almaguer.

Ad B. hydroides Swartzii cedent. A for Lovello Linito,  
Ad. Belvisii poris minuti dicens.

B. Theliphoroides, (n. sp.) dimidiatus, pileo pallidis  
fusco longitudine alita superoso subflexuoso, poris  
saturnioribus minutiissimis.

Hab. Prope Loxa, in stylis Crishona





Hab. Louis Scopulosis auidis, apicis pinta Liocasas  
et Guanote, altit. 1600 benapod. (Regnum Lintzey  
Crusta foliacea ut in plurimis Cerosomy cibus venis. Valde  
affinis D. glomerophyllo Ach., sed lobis vel squamis pro-  
fundis minor mezigae contigueris.

Stereocaulon (Ach. p. 284.).

St. ramulosum, thallo albo-pallente ramoso scabro  
fibilloso, ramis sparsis elongatis subsimplicibus, cyclo-  
thecis terminalibus, clavum subglobosis fustis rugosis  
Ach. Syn. Lich. 284. Herv. Lich. Amer. T. 14. Lichen  
salazinii. Bong. de St. Vinc. Voy. t. 16. f. 3.

Hab. In monte Cofre de Perote in pinetis alt 91950 hex-  
apod. (Regnum Mexicanum).

St. boryosum, thallo albo-cinerascente basi subundis  
superiore dentosimile ramulos, ramulis ultimis in  
granula conglomerata subumbilicis, furtiliis apothecis  
confestis minutiis obscurae fuscis. Ach. Syn. Lich. p. 284.  
Standard. Veanianum Pers. in Acta Soc. Natur. v. 2. t. 10. f. 5.  
Hab. In planicie prope speluncam Antisana, alt 2490  
benapod.

Vix a St. paschali distinctione.

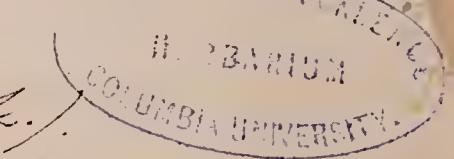
Ramalina (Ach. p. 293).

R. polymorpha, thallo plano-compresso vel testaceo-culo  
laminato-ramoso pallido longitudine aliter laccunoso  
sorediis sparsis subellipticis terminalibusque capi-  
tuliformibus, apothecis submarginatis concavis:  
anulis, disco carnosus subfrumento. Ach. Syn. Lich. p. 295.

Hab. In saltis maritimi prope Chancay in litore  
Oceani Pacifici, Peruviam alluvialis, una cum Rorula  
americana.

R. franacea, thallo plano linear-laminato albo-  
cinerascente utinique & calvo rugoso-laccunoso, subre-  
ticulato, laminis ultimis lanceolato-attenuatis, apio-  
thecis submarginatis planis carnosos pallidis. Ach. Syn.  
Lich. p. 296. P. Bob. t. 1704.

Hab. Ad radios Georgie & Pointe, altitudine 950 hexapod.



B. julaceum. Stem branched; leaves closely imbricated, broadly ovate, concave entire, obtuse, nerve running nearly to the point, capsule clavate; pendulous; lid conical.

Schrader, Spiceleg. p. 40. Engl. Bot. t. 2270. B. filiforme. Dicks. B. argenteum. B. Linn. Sp. Pl. Schwaeigr. Hypnum argenteum. var. p. Mohr.

The characters just recited we have found constant in our B. julaceum, & we therefore cannot agree with Mohr & Schwaegelein who with Linnaeus considered it as merely a variety of B. argenteum. It is not in the shape of the leaves & of the capsules alone that they differ, but our plant is larger & more slender, of a yellowish green color, resembling that of Hypnum stramineum & the leaves are of the same color & texture throughout.

This plant ~~too is never~~<sup>ORREY</sup> found on walls & roofs, as is commonly the case with B. argenteum <sup>II</sup> ~~but~~<sup>AB</sup> on the side of streams in mountainous situations.

B. alpinum. Stem elongated, ramoso; leaves ovato-lanceolate, nearly obtuse, margins revolute, subserrulate at the points, nerve nearly reaching the points; capsule cylindraceo-obvate, pendulous; lid conical.

Linn. Mantisp. Swartz. Fl. Suec. Turner Muse. Hib. p. 125. Engl. Bot. t. 1623. Schwaeigr. Suppl. t. 73. Wahl. Fl. Lapp.

The leaves of this species which are of a singular purplish-brown color, & dense structure, in all our specimens are never completely acute, as represented by Schwaegelein & most authors. The stems approach in rigidity & habit those of some of the Polytricha.

B. crudum. Stem short; Leaves lanceolate, plane, acute, serrulate at the point, nerve disappearing below the summit; capsule oblong, pendulous; lid conical.

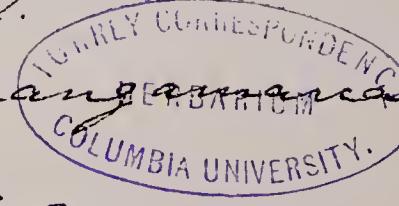
Dicks. Fl. Engl. p. 491. Swartz Engl. Bot. t. 1694. Turner. Muse. Hib. p. 130. Mnium crudum. Linn. Hedw. St. Cr. v. 1. t. 37. Wahl. Fl. Lapp.

Hab. In aridis montanis juxta Santa Rosa (Provincia de Guanajuato in regno mexicano).

Zacatecas. (Per. p. 136).

B. nigrescens, major nigrescente - umbra, subtus glauca. Per. p. 136. Lycoperdon Boeris loc. Dr. Linzi. t. 331.

Hab. In aridis prope Guanajuato (Andes del Perù) alt. 1250 hexapod.



Agaricus. (Per. p. 259.)

B. umbilicatus, <sup>(n. sp.)</sup> stipitatus aggregatus, stipite centrali excavato brevissimo, pileo fuso convexo floccoso centro insigniter depresso, lamellis pallidioribus.

Hab. In juncis Andium, regione temperata inter Po: Rayan et Almaguer.

Bedalea (Per. p. 499.).

B. levis, <sup>(n. sp.)</sup> dimidiata breviter laterali stipitata pallidoflavo-fusca, pileo levigato, sinus elongatis vestis.

Hab. In juncis Andium, regione temperata inter Po: Rayan et Almaguer.

Boletus. (Per. p. 503.)

× Pilea integrum stipitata, stipite centrali.

B. Katui, Messerschmid infundibuliformis, membranaceus stipitatus, stipite subcentrali, pileo levigato nitido superzona fuso-nuboso, subtus poris minimis levibus subrotundis perforato pallido. Ehrenberg in Nees ab Esenbeck Hoc Phys. Berol. p. 93. t. 19. f. 12 (fig. bona).

Hab. In umbrosis juxta Acapulco, ad littus maris pacifici.

× Pilea dimidiata stipitata, stipite laterali.

B. opaciflavatus, <sup>(n. sp.)</sup> basius stipitatus, fulvo, stipite laterali elongatis crassis, pileo convexo lati obovato

